

93-131339/16	A25	DOWC 91.08.29 *JP 05070544-A 91.08.29 91JP-242348 (93.03.23) C08G 18/48, 10/68, C08J 9/02 (C08G 18/48, 101:00) (C08L 75:04)	A(5-G3, 8-B, 10-D, 11-B6)
Prepn. of flexible polyurethane foam - comprises reaction of polyisocyanate with polyol, using water as foaming agent C93-058578			conventionally.
Preparation of flexible polyurethane foam(I) comprises reaction of polyisocyanate(s) (II) with polyol(s) (III) under following conditions:			ADVANTAGE - (I) is prep'd by reaction of (II) with specific (III) in presence of water without using former foaming agent, chlorofluorocarbon(s) and/or dichlorofluoromethane. (6pp Dwg.No.0/0)
<p>(1) (III) polyetherpolyol(s) having averaged functional number 2.45-4.5, averaged equiv. number 500-1,500, prim hydroxyl gp content above 25%, opt. modified with ethylenically unsatd. cpd(s), (2) uses 4.5 pts.wt or more of water per 100 pts wt of (III) as foaming agent, (3) NCO/0H is below 0.9.</p> <p>(II) is pref. alkylene oxide adduct(s) of one or more of polyol(s), saccharide(s), ethanolamine(s), etc, or polyetherpolyol(s) modified with acrylonitrile or styrene, (III) is pref toluenedisocyanate and/or polymeric MDI.</p> <p>(II) is reacted with (III) (NCO/0H = below 0.9, pref. 0.4-0.9) in presence of 4.5-15(pref. 6.0-18)wt% water, catalyst(e.g. triethylenediamine, methylimidazole, dibutyltin dilaurate etc), foaming stabilizer(e.g. siloxanes, polyalkylene oxide block copolymer etc), flame retardant, pigment, stabiliser etc.</p>			